Issue No: 75
May: 2011

The Afghanistan Agrometeorological Monthly Bulletin

Topics Crop Information Precipitation Temperature NDVI

Adverse Factor 1

Crop Condition 2

Crop Stage 3

USGS science for a changing world

The Agromet Project of USGS, is working together with the Ministry of Agriculture, Irrigation and Livestock (MAIL) and the Afghan Meteorological Authority (AMA) of Ministry of Transport (MoT)

BULLETIN

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The Afghanistan's Agromet Monthly Bulletin is being Published on monthly Bases in Dari and English Languages.

CONTENTS

Crop Information

Rainfall Situation

Temperature

Other Information

Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), Agromet Project , Afghan Meteorological Authority (AMA), United States Geological Survey (USGS), Food and Agriculture Organization of United Nation (FAO)

Summary

The low pressure systems which were causing the rainfall during the winters and springs in the country, have given the way to Indian monsoon.

The country experienced light rainfall during the month of May 2011 which resulted lower rainfall during the month of May 2011 compared to the same month of last year and long term average.

The spring season is going to end very soon, normally temperature at this time is getting higher and higher and the weather is getting warm in this time of the year. During the month of May 2011 temperature was mostly higher than the same month of last year and accompanied with positive departure around the country.

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Flowering	Normal	Not Existed
		Paghman	Paghman	Flowering	Normal	Not Existed
		Kabul	Darulaman	Grain filling	Good	Shortage of Inputs
		Surubi	Surubi	**Harvesting**		
	Panjsher	Dara	Dara	Flowering	Normal	Weeds
		Dashtak	Dashtak	Grain filling	Normal	Not Existed
	Parwan	Syagerd	Gor band	Grain filling	Good	Pest and Diseases
		Charikar	Charikar	Grain filling	Good	Shortage of Inputs
	Kapisa	Mahmoodraqi	Mahmoodraqi	Grain filling	Good	Weeds
		Kohistan	Kohistan	Grain filling	Good	Weeds
	Wardak	Chake	Chake	Vegetative	Normal	Not Existed
		Jaghatoo	Jaghatoo	Emergence	Normal	Not Existed
	Bamyan	Bamyan	Bamyan	Vegetative	Normal	Not Existed
		Yakawlang	Yakawlang	Vegetative	Normal	Poor Rainfall
		Panjab	Panjab	Flowering	Poor	Pest and Diseases
		Shebar	Shebar	Vegetative	Normal	Not Existed
	Ghazni	Muqur	Muqur	Grain filling	Poor	Poor Rainfall
		Andar	Bande Sardi	Grain filling	Poor	Poor Rainfall
East	Nangarhar	Agam	Agam	Maturity	Normal	Not Existed
		Batikot	Ghaziabad	**Harvesting**		
		Jalalabad	Farm jaded			
		Behsood	Behsood			

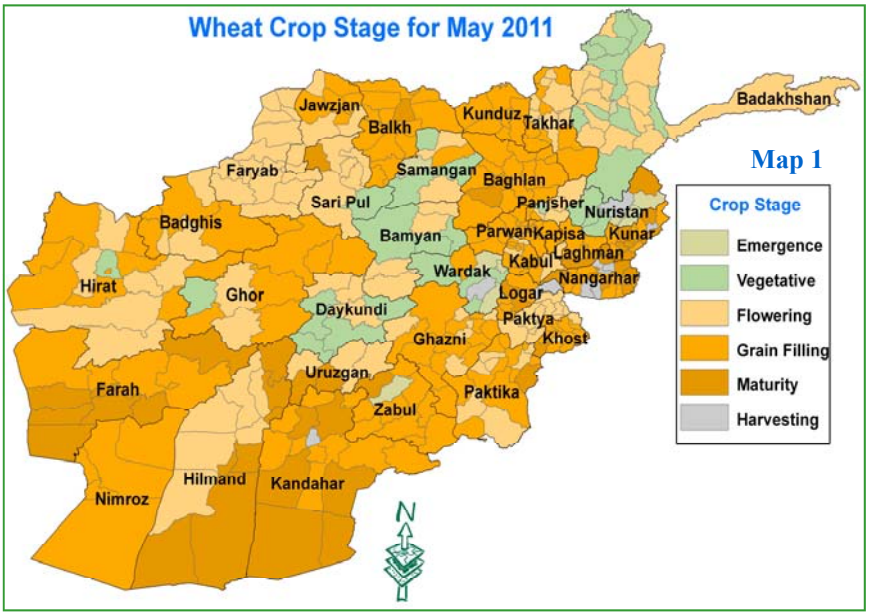
Crop Stage, Crop Condition and Adverse Factor

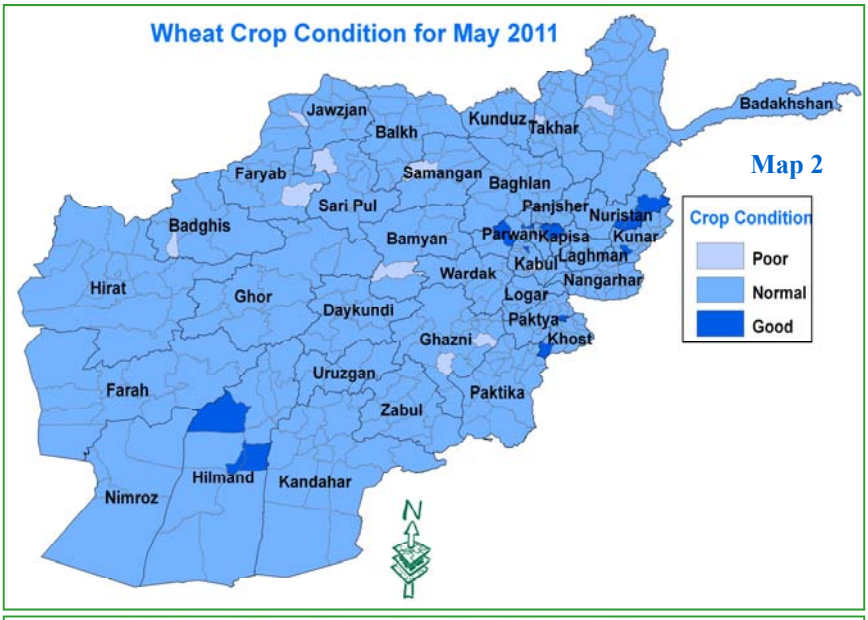
Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Maturity	Good	Not Existed
		Asad Abad	Asad Abad	**Harvesting**		
	Laghman	Mihtarlam	Mihtarlam	Maturity	Normal	Poor Rainfall
		Qarghay	Qarghay	**Harvesting**		
	Noristan	Paroon	Paroon	Emergence	Good	Not Existed
		Do Ab	Do Ab	Emergence	Good	Not Existed
		Norgaram	Norgaram	**Harvesting**		
		Waigal	Waigal	Maturity	Normal	Not Existed
		Wama	Wama	Emergence	Good	Not Existed
North East	Takhar	Bangi	Bangi	Grain filling	Normal	Not Existed
		Taluqan	Taluqan	Grain filling	Normal	Weeds
	Kunduz	Imam Sahib	Imam Sahib	Grain filling	Normal	Weeds
		Qaliazal	Aqtipa	Grain filling	Normal	Weeds
		Khan Abad	Khan Abad	Grain filling	Normal	Late Planting
		Kunduz	Kunduz	Grain filling	Normal	Weeds
		Archi	Archi	Grain filling	Normal	Late Planting
		Ali Abad	Ali Abad	Grain filling	Normal	Weeds
	Baghlan	Pulikhomri	Pozaishan	Grain filling	Normal	Not Existed
		Doshy	Doshy	Maturity	Normal	Not Existed
	Badakhshan	Argo	Argo	Flowering	Poor	Poor Rainfall
		Baharak	Baharak	Flowering	Normal	Not Existed
		Ashkashm	Ashkashm	Vegetative	Normal	Poor Rainfall
		Khash	Kash	Emergence	Normal	Not Existed
		Faiz Abad	Faiz Abad	Flowering	Normal	Poor Rainfall
South East	Khost	Khost	Khost	Flowering	Normal	Not Existed
		Khost	Shimal	Maturity	Good	Not Existed
		Ali Sher	Ali Sher	Flowering	Normal	Not Existed
	Paktia	Zormat	Rohani Baba	Vegetative	Normal	Not Existed
		Gardiz	Tera	Flowering	Good	Not Existed
	Paktika	Urgon	Urgon	Flowering	Normal	Not Existed
		Sharana	Sharana	Grain filling	Normal	Not Existed
		Khair kot	Khair kot	Grain filling	Normal	Not Existed

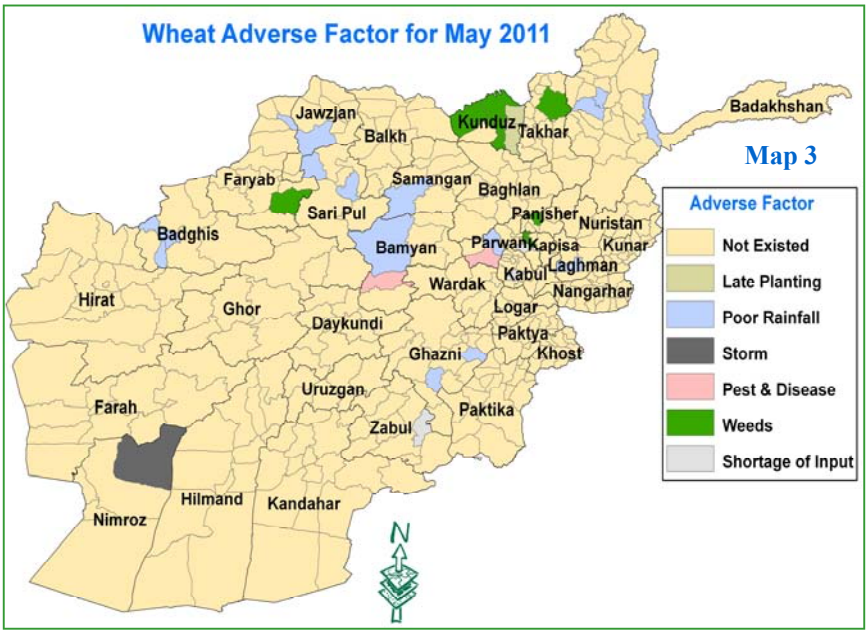
Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Maturity	Normal	Storm
	Kandahar	Kandahar	Kandahar	Maturity	Normal	Not Existed
	Zabul	Qalat	Qalat	Grain filling	Normal	Shortage of Inputs
	Urozgan	Tirin Kot	Tirin Kot	**Harvesting**		
	Hilmand	Nad Ali	Nad Ali	Flowering	Normal	Not Existed
		Greshk	Greshk	Maturity	Good	Not Existed
		Nawa	Nawa	Maturity	Good	Not Existed
		Lashkargah	Bolan	Maturity	Good	Not Existed
North	Balkh	Takhta pol	Dihdadi	Grain filling	Normal	Not Existed
		Nahrishahi	Nahrishahi	Maturity	Normal	Not Existed
	Jawzjan	Sheberghan	Sheberghan	Maturity	Poor	Poor Rainfall
		Darzab	Darzab	Flowering	Normal	Not Existed
	Saripul	Saripul	Saripul	Maturity	Poor	Poor Rainfall
		Sozmaqala	Sozmaqala	Flowering	Poor	Poor Rainfall
	Faryab	Maimana	Maimana	Flowering	Normal	Not Existed
		Andkhoy	Andkhoy	Emergence	Poor	Poor Rainfall
		Garzeewan	Garzeewan	Flowering	Poor	Weeds
	Samangan	Aibak	Aibak	Emergence	Poor	Poor Rainfall
		Dara Souf	Dara Souf	Vegetative	Normal	Not Existed
		Sar bagh	Sarbagh	Flowering	Poor	Poor Rainfall
North West	Badghis	Qalainow	Qalainow	Flowering	Poor	Poor Rainfall
		Muqur	Muqur	Grain filling	Normal	Poor Rainfall
	Ghor	Chaghcharan	Chaghcharan	Grain filling	Normal	Not Existed
	Hirat	Shindand	Shindand	Flowering	Normal	Not Existed
		Zindajan	Zindajan	Grain filling	Normal	Not Existed
		Gwazara	Falahat	Grain filling	Normal	Not Existed
		Hirat	Urdokhan	Vegetative	Normal	Not Existed
	Farah	Farah	Farah	Maturity	Normal	Not Existed

Wheat Crop Stage, Condition and Adverse Factor Maps







Data Source:Agromet Network

The low pressure systems which were causing the rainfall during the winters and springs in the country, have given the way to Indian monsoon.

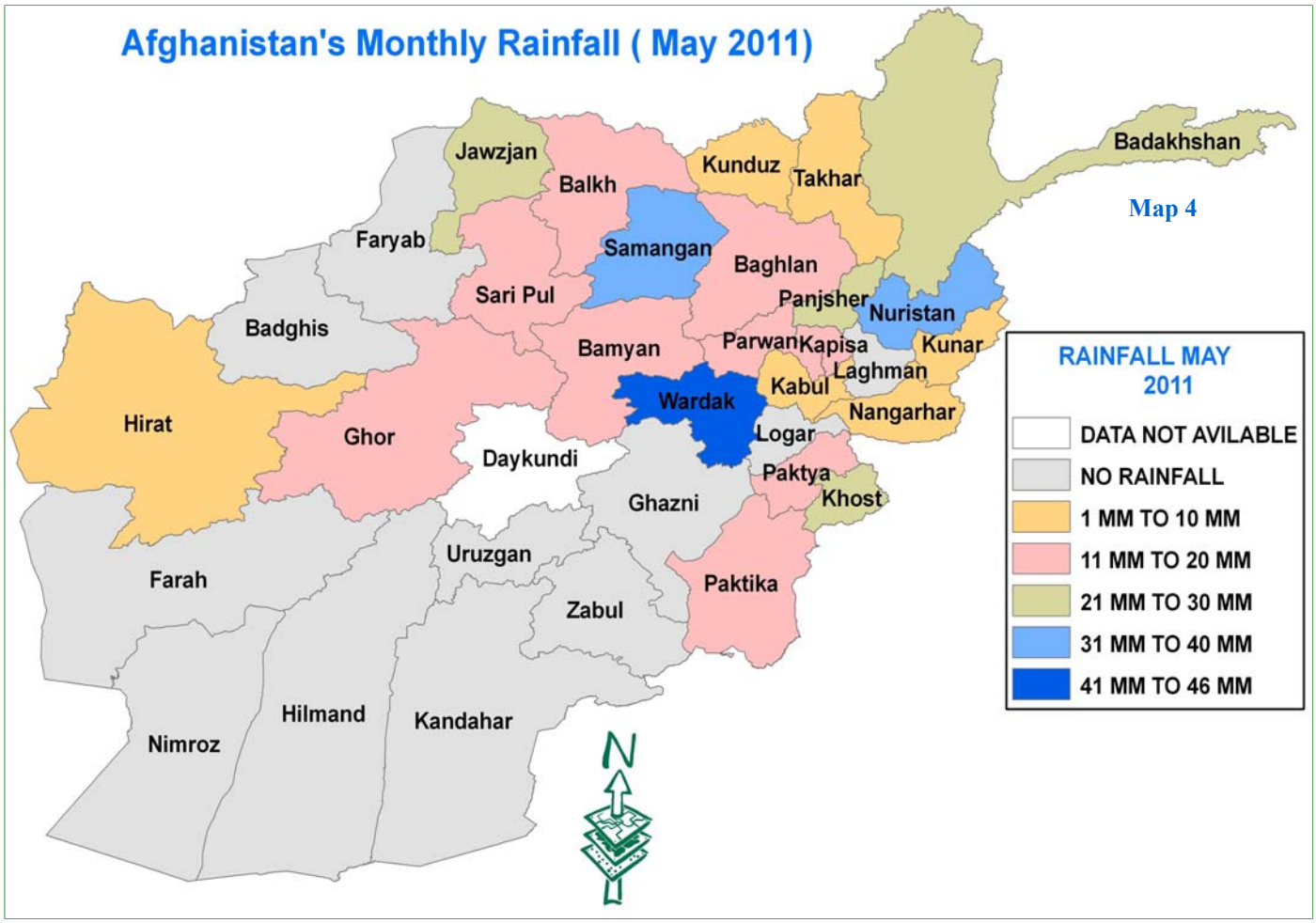
The country experienced light rainfall during the month of May 2011 which resulted lower rainfall during the month of May 2011 compared to the same month of last year and long term average.

Comparison of rainfall data for the month of May 2011 with the same month in 2010 (chart 1) shows significant decrease of rainfall during the month of May 2011 over the same month of last year in all the stations across the country.

Comparison of rainfall data for the month of May 2011 with the same month of long term average (chart 1) also shows a decrease of rainfall during the month of May 2011 over the same month of long term average in all the stations across the country.

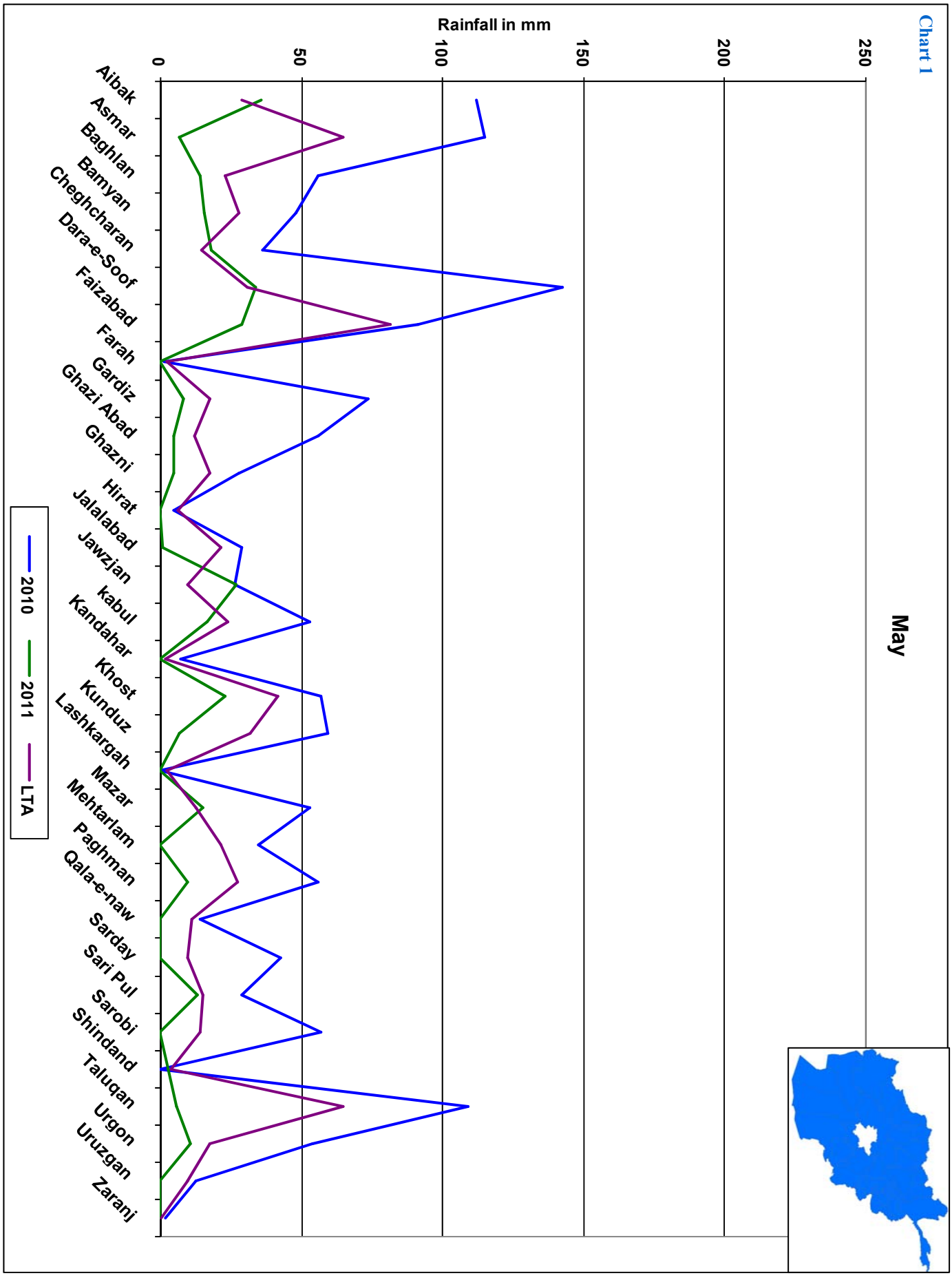
Distribution of rainfall is shown on the below map (4). As map (4) shows, most amount of rainfall has occurred in some parts of the Capital region, some parts in the Eastern and some parts in the Northern region.

The Central Highlands, some parts in the Northeastern and Northern regions received mode ate rainfall, the rest parts of the country is experiencing the seasonal dryness.



Map 4

Chart 1



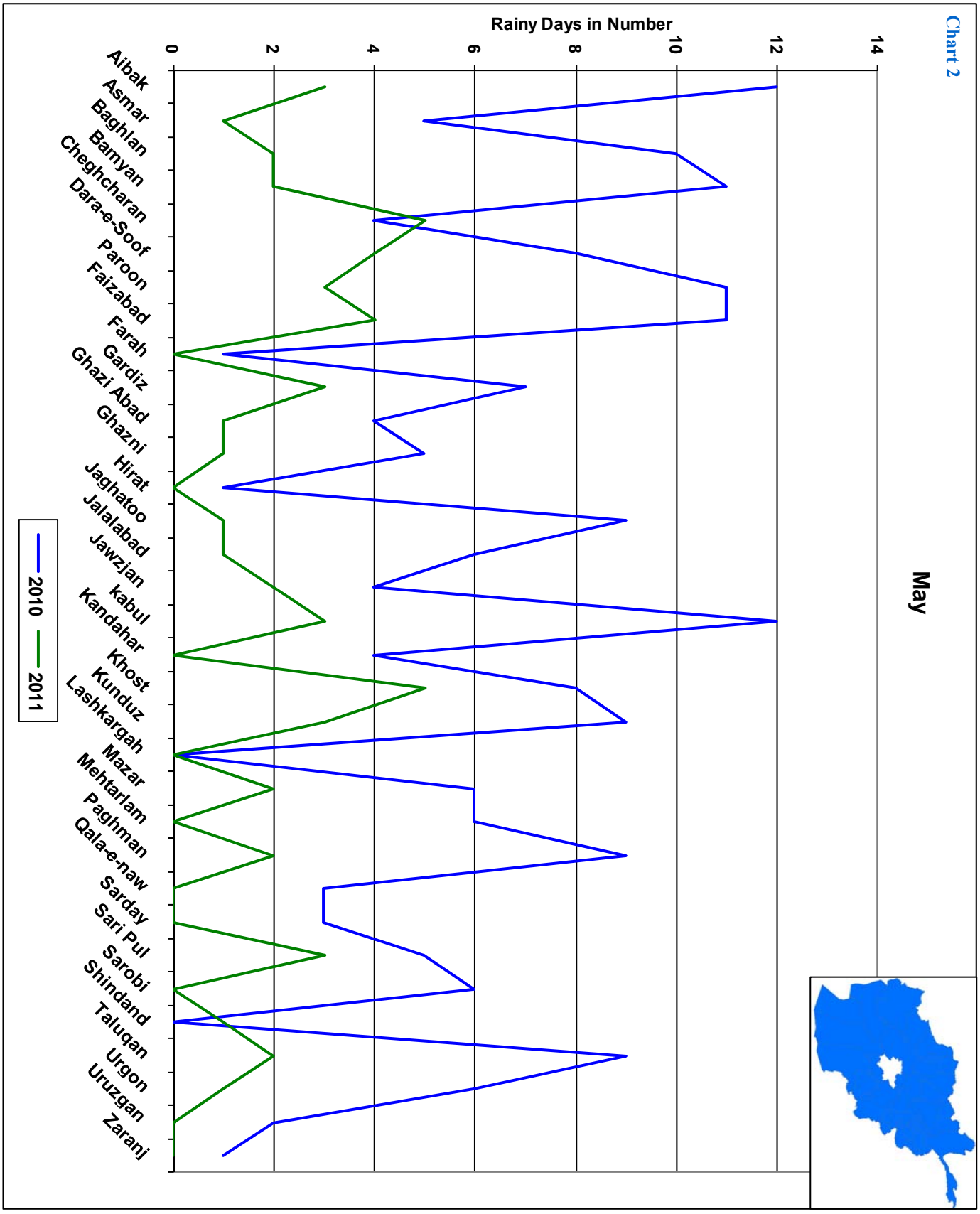
Data Source:Agromet Network

Rainfall for the Month of May 2011

Table 1

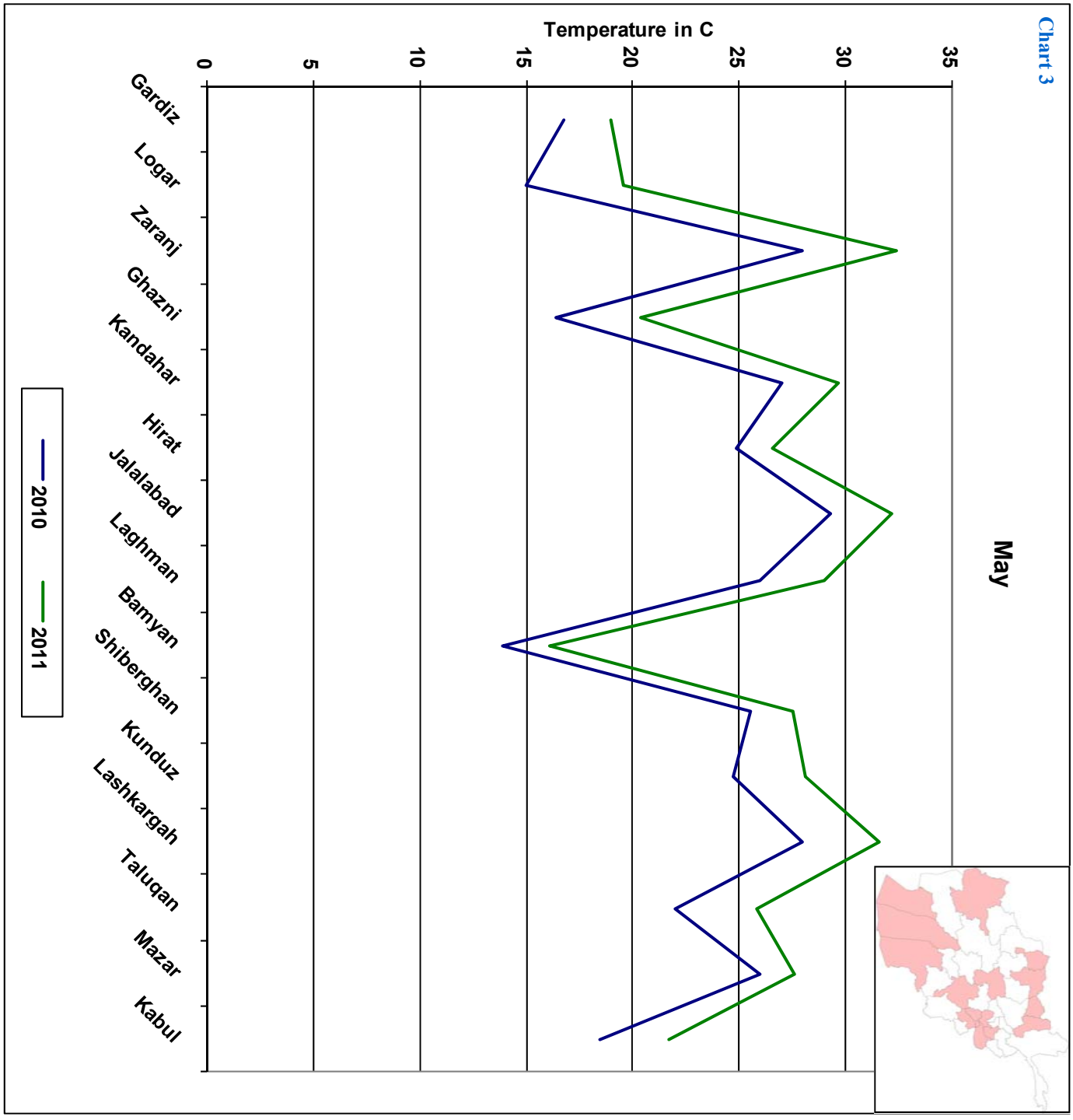
Stations	May		
	Rainfall in (mm)		
	2010	2011	LTA
Aibak	112	36	29.1
Asmar	115	7	65.1
Baghlan	56	14.2	23.3
Bamyan	48	15.5	28.1
Cheghcharan	36.2	18.3	14.8
Dara-e-Soof	143	34	31
Paroon	148	37	Data Not Available
Faizabad	91.7	29	81.4
Farah	1.5	0	2.3
Gardiz	73.7	8.2	17.9
Ghazi Abad	56	5	12.1
Ghazni	27.8	5	17.8
Hirat	5	0	6.5
Jaghatoo	204	46	Data Not Available
Jalalabad	29	1	21.7
Jawzjan	26.5	27	10
kabul	53.1	16.7	24.3
Kandahar	7.5	0	1.8
Khost	57	23	41.6
Kunduz	59.5	7	32
Lashkargah	0	0	2.3
Logar	Data Not Available	0	17.6
Mazar	53	15	12.7
Mehtarlam	35	0	21.7
Paghman	56	10	27.6
Qala-e-naw	14	0	11.4
Sarday	43	0	9.6
Sari Pul	29	13.5	15.2
Sarobi	56.9	0	14.4
Shindand	0	3	3.9
Taluqan	109	6	65.1
Urgon	54	11	17.6
Uruzgan	13	0	9.9
Zaranj	2	0	0.7

Data Source:Agromet Network



Comparison of rainy days for the month of May 2011 with the same month in 2010 (chart 2) shows significant decrease of rainy days during the month of May 2011 over the same month of last year across the country.

Average Temperature for the Month of May 2011



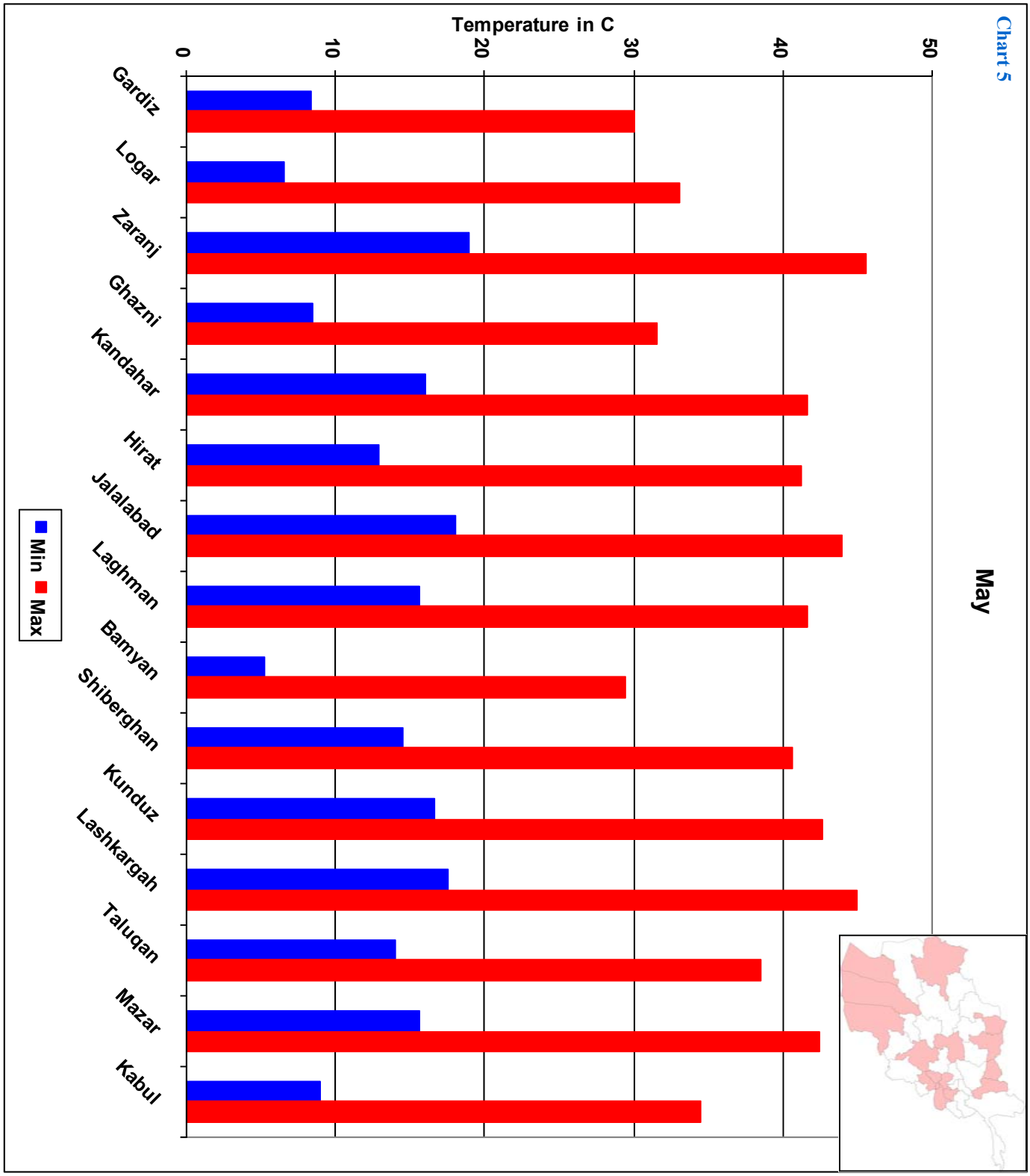
During the month of May 2011 temperature was mostly higher than the same month of last year.

The spring season is going to end very soon, normally temperature at this time is getting higher and higher and the weather is getting warm in this time of the year. During the month of May 2011 temperature was mostly higher than the same month of last year and accompanied with positive departure around the country.

Comparison of monthly average of temperature for the month of May 2011 with the same month in 2010 (Chart 3) shows an increase of temperature during the month of May 2011 over the same month of last year around the country.

Data Source:AMA

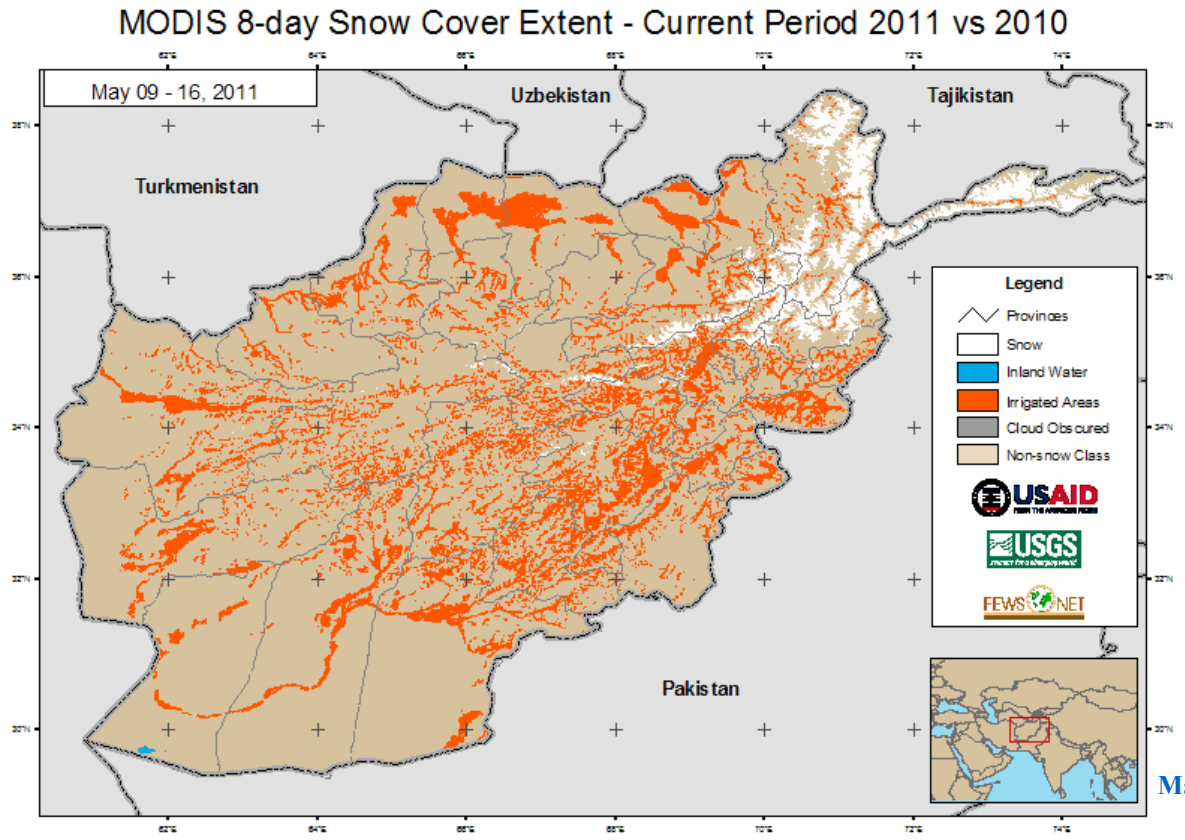
Temperature for the Month of May 2011



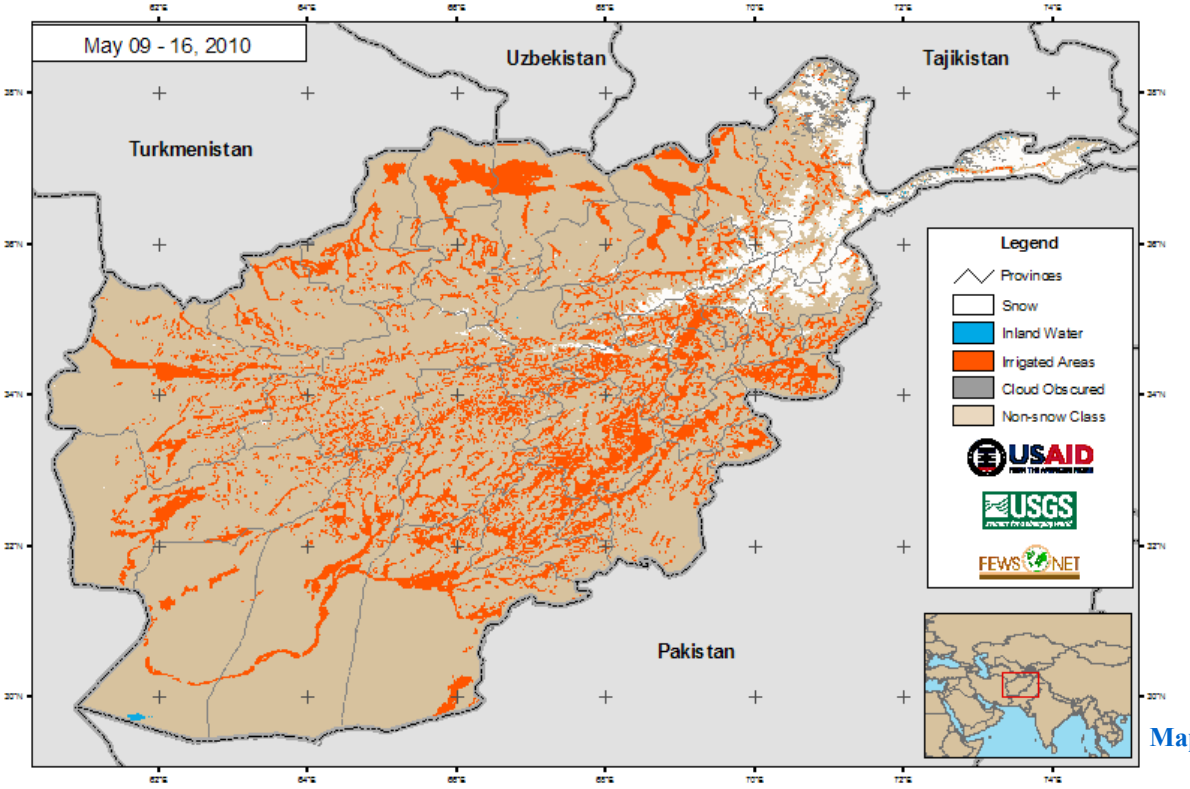
Zaranj with 45.6 ° C was the warmest spot of the Country during the month of May 2011 .

Chart (4) shows maximum and minimum temperature for the month of May 2011. As chart (4) shows Zaranj with 45.6 ° C was the warmest spot of the country during May 2011 and Bamyan with 5.2 ° C experienced cold weather.

Data Source:AMA



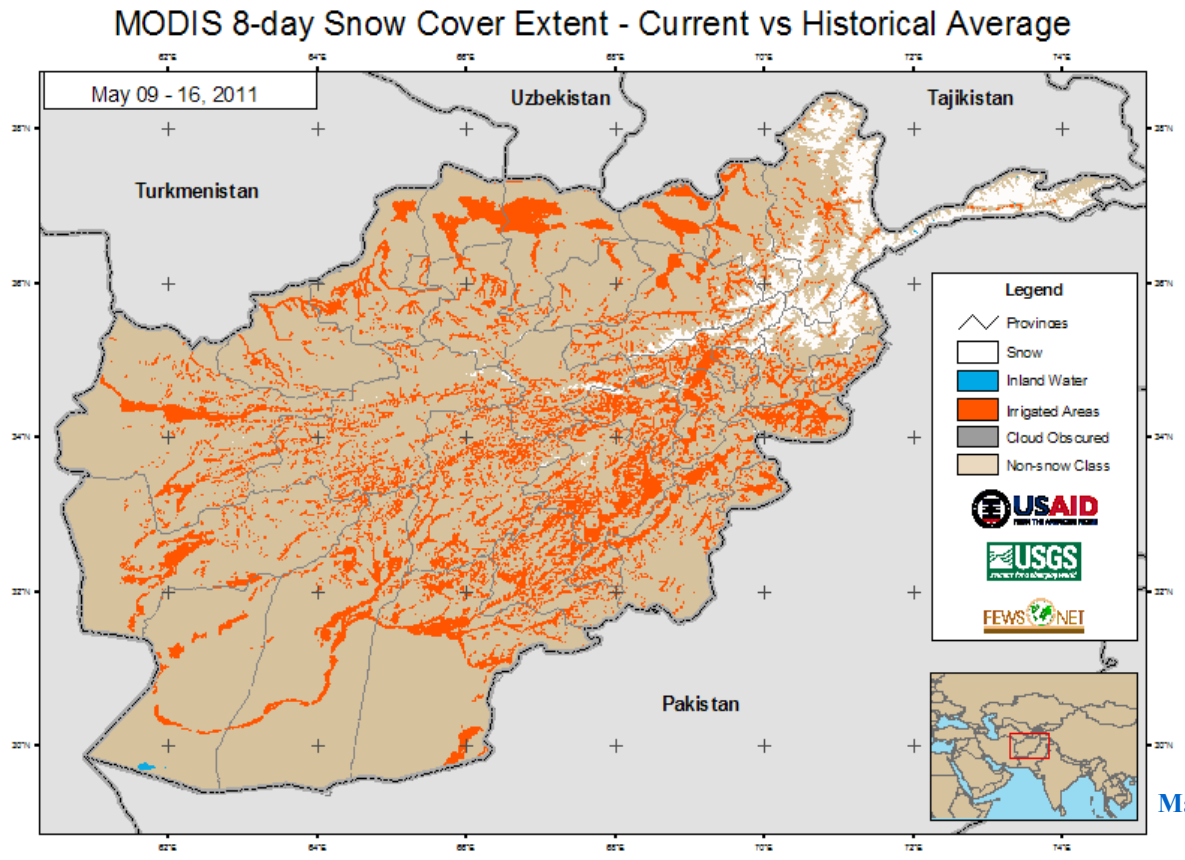
Map 5



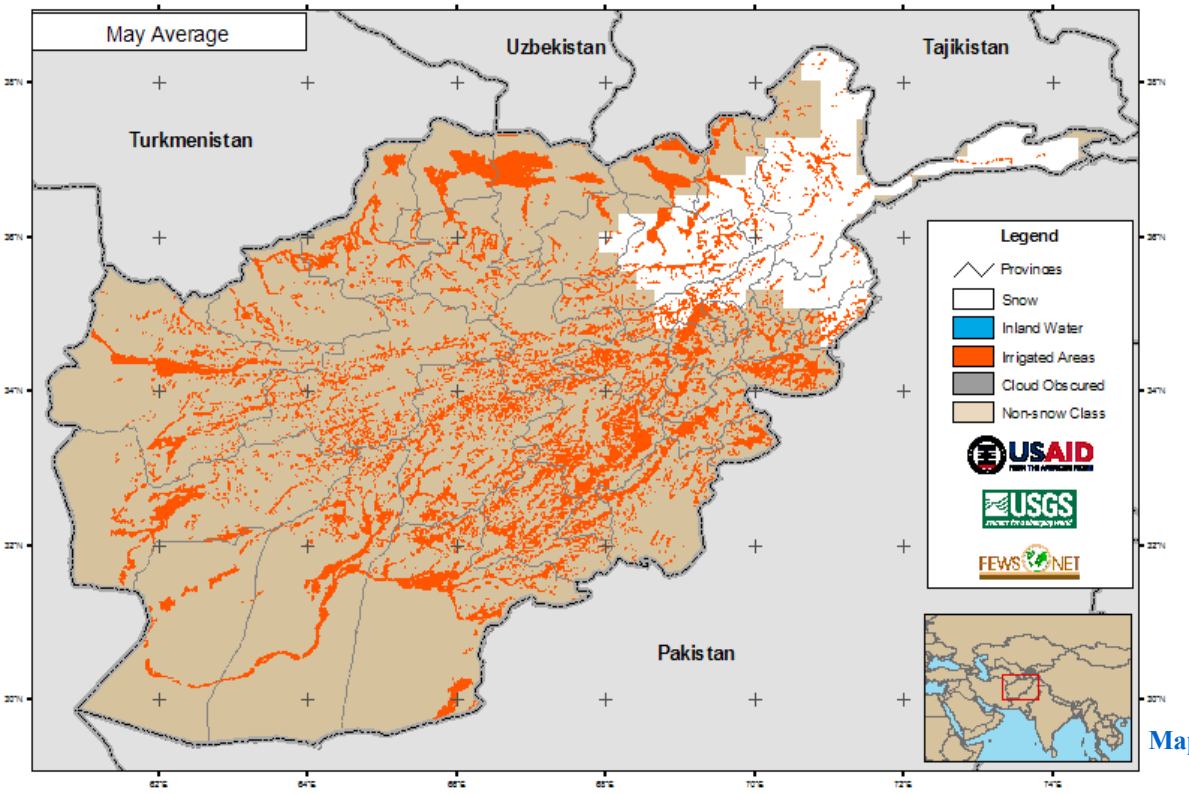
Map 6

Typical in this time of the year there is no snow fall in the country, just the remained snow extent could be considered. Comparison of snow extent for the period of (9 – 16) May 2011 with the same period in 2010 (Map 5 – 6) shows no significant change of snow extent during above mentioned period of May 2011 over the same period in last year.

Data Source:USGS



Map 7

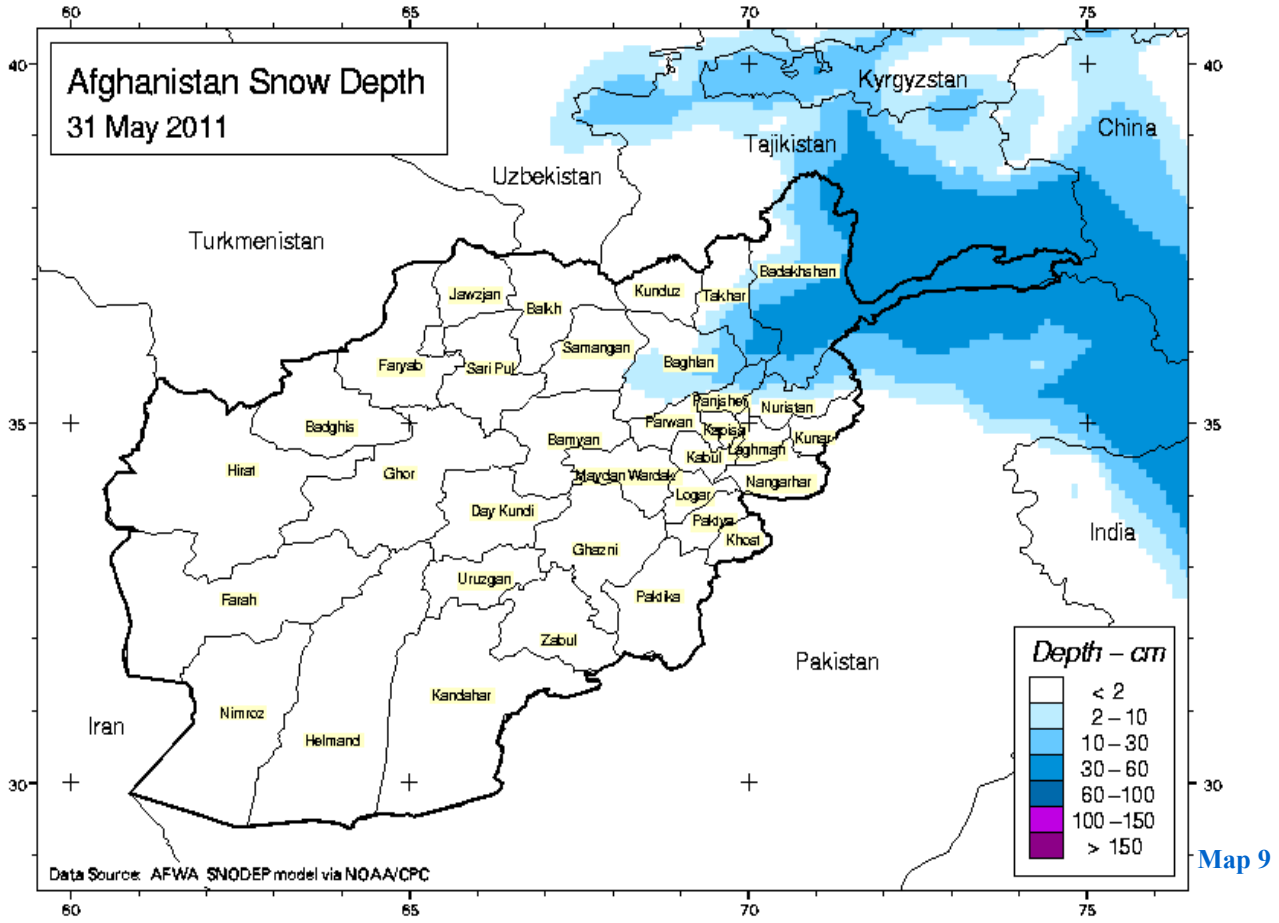


Map 8

Comparison of snow extent for the month of May 2011 with the same month of long term average (Map 7 - 8) shows significant decrease of snow extent during the month of May 2011 over the same month of long term average.

Data Source:USGS

Afghanistan Snow Depth for month of May 2011



Map 9

Map (9) shows snow depth for the end of May 2011 in the snow co verge area. As map (9) the snow extent has-been recorded from 60 to 100 cm in the Northeastern.

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